

LISTING OF CLAIMS:

1. (Currently amended) A control device in a hybrid compressor that is within a refrigerating ~~cycle circuit~~ and driven by one of an engine and an electric motor, the hybrid compressor ~~whose includes a~~ compression mechanism that is driven by rotation of a swash plate, and an inclination angle of the swash plate ~~whose inclination angle is varied by capacity~~ controlling means a capacity controller that is externally controlled, the control device ~~comprising: first controlling means comprising a controller~~ for operating the hybrid compressor by setting the capacity ~~controlling means~~ controller to a first control value to ~~thereby~~ trigger the swash plate to be rapidly inclined when the hybrid compressor starts being driven by the electric motor; ~~and second controlling means and~~ for operating the hybrid compressor by setting the capacity ~~controlling means~~ controller to a second control value after the ~~first controlling means~~ operates controller has operated the hybrid compressor based on the first control value, wherein the first control value is greater than the second control value ~~that is obtained from a status of the refrigerating cycle~~, and the second control value is obtained from a status of the refrigerating circuit.

2. (Currently amended) A control device in a hybrid compressor that is within a refrigerating ~~cycle circuit~~ and driven by one of an engine and an electric motor, the hybrid compressor ~~whose includes a~~ compression mechanism that is driven by rotation of a swash plate, wherein an inclination angle of the swash plate ~~whose inclination angle is varied by capacity~~ controlling means a capacity controller that is externally controlled, and wherein the control device ~~comprising: first controlling means comprises a controller~~ for operating the hybrid compressor by driving the electric motor at a first ~~revolution~~ number of revolutions to thereby

trigger the swash plate to be rapidly inclined when the hybrid compressor starts being driven by the electric motor; ~~and second controlling means~~ and for operating the hybrid compressor by driving the electric motor at a second ~~revolution-number~~ of revolutions after the ~~first controlling means operates~~ controller has operated the hybrid compressor based on the first number of revolutions, wherein the first ~~revolution-number~~ of revolutions is greater than the second ~~revolution-number~~ of revolutions.

3. (Currently amended) The control device according to Claim 1, further comprising:

~~pressure detecting means~~ a pressure detector for detecting refrigerant pressure in a higher portion of the refrigerating ~~eye~~ circuit,

wherein the first control value varies according to the refrigerant pressure detected by the ~~pressure detecting means~~ detector.

4. (Currently amended) The control device according to Claim 2, further ~~comprising~~:

~~pressure detecting means~~ comprising a pressure detector for detecting refrigerant pressure in a higher pressure portion of the refrigerating ~~eye~~ circuit, wherein the first ~~revolution-number~~ of revolutions varies according to the refrigerant pressure detected by the ~~pressure detecting means~~ detector.

5. (Currently amended) The control device according to ~~Claim 1 or 2~~ claim 1, wherein the ~~first controlling means~~ controller operates the hybrid compressor based on the first control value for a certain period after the hybrid compressor starts being driven by the electric motor.

6. (Currently amended) The control device according to Claim 1, further ~~comprising:~~
~~revolution number detecting means comprising a revolution number detector~~ for detecting a
~~number of revolutions~~~~revolution number~~ of the electric motor, wherein the ~~first controlling~~
~~means~~~~controller~~ operates the hybrid compressor ~~till~~~~until~~ the revolution number ~~detecting~~
~~means~~~~detector~~ detects a certain decrease in the number of revolutions of the electric motor, after
the hybrid compressor starts being driven by the electric motor, ~~in the revolution number of the~~
~~electric motor~~.

7. (Currently amended) The control device according to Claim 1, further ~~comprising:~~
~~electric current detecting means comprising an electric current detector~~ for detecting an electric
current of the electric motor, wherein the ~~first controlling means~~~~controller~~ operates the hybrid
compressor ~~till~~~~until~~ the electric current ~~detecting means~~~~detector~~ detects a given decrease in the
electric current of the electric motor, after the hybrid compressor starts being driven by the
electric motor, ~~in the electric current of the electric motor~~.

8. (Currently amended) The control device according to Claim 1 or 2, further
~~comprising:~~ ~~air temperature detecting means comprising an air temperature detector~~ for detecting
a temperature of ~~an air just after the air passes~~air that has passed through an evaporator ~~within of~~
the refrigerating ~~eye~~circuit, wherein the ~~first controlling means~~~~controller~~ operates the hybrid
compressor ~~till~~~~until~~ the air temperature ~~detecting means~~~~detector~~ detects a ~~temperature at which~~
~~the detected temperature that has been increasing since the hybrid compressor started being~~

~~driven by the electric motor starts decreasing~~ decrease in the temperature of air that has passed through the evaporator.

9. (Currently amended) The control device according to Claim 1, ~~further comprising:~~
~~third controlling means for operating wherein the controller operates~~ the hybrid compressor for a given period after the ~~first controlling means operates the hybrid compressor~~ is controlled based on the first control value and before the ~~second controlling means operates the hybrid compressor~~ is operated based on the second control value, wherein the third controlling means operates the hybrid compressor by setting the capacity controlling means controller at a variable control value that converges, for the given period, from the first control value to the second control value.

10. (Currently amended) The control device according to Claim 2, ~~further comprising:~~
~~third controlling means for operating wherein the controller operates~~ the hybrid compressor for a given period after the ~~first controlling means operates the hybrid compressor~~ is controlled based on the first number of revolutions and before the ~~second controlling means operates the hybrid compressor~~ is operated based on the second number of revolutions, wherein the third controlling means operates the hybrid compressor by driving the electric motor at a variable revolution number of revolutions that converges, for the given period, from the first revolution number of revolutions to the second revolution number of revolutions.

11. (Currently amended) A hybrid compressor that is within a refrigerating ~~cycle~~ circuit and driven by one of an engine and an electric motor, comprising:

a swash plate rotated by ~~being driven by~~ one of the engine and the electric motor;

a compression mechanism driven by rotation of the swash plate;

~~capacity controlling means~~ a capacity controller that is externally controlled and varies an inclination angle of the swash plate; and

a ~~control device, wherein the control device includes: first controlling means~~ controller for operating the compression mechanism by setting the capacity ~~controlling means~~ controller to a first control value to ~~thereby trigger~~ the swash plate to be rapidly inclined when the compression mechanism starts being driven by the electric motor; ~~and second controlling means~~ motor and for operating the compression mechanism by setting the capacity ~~controlling means~~ controller to a second control value after the ~~first controlling means operates~~ controller has operated the compression mechanism based on the first control value, wherein the first control value is greater than the second control value ~~that~~, and the second control value is obtained from a status of the refrigerating cycle circuit.

12. (Currently amended) A hybrid compressor that is within a refrigerating ~~cycle~~ circuit and driven by one of an engine and an electric motor, comprising:

a swash plate rotated by ~~being driven by~~ one of the engine and the electric motor;

a compression mechanism driven by rotation of the swash plate;

~~capacity controlling means~~ a capacity controller that is externally controlled and varies an inclination angle of the swash plate; and

a ~~control device, wherein the control device includes: first controlling means~~ controller for operating the compression mechanism by driving the electric motor at a first ~~revolution~~

number of revolutions to ~~thereby~~ trigger the swash plate to be rapidly inclined when the compression mechanism starts being driven by the electric ~~motor~~; ~~and second controlling means~~ motor, ~~and~~ for operating the compression mechanism by driving the electric motor at a second ~~revolution-number~~ number of revolutions after the ~~first controlling means operates~~ controller has operated the compression mechanism based on the first number of revolutions, wherein the first ~~revolution~~ number of revolutions is greater than the second ~~revolution-number~~ number of revolutions.

13. (Currently amended) A control device in a hybrid compressor that is within a refrigerating ~~eyele~~ circuit and driven by one of an engine and an electric motor, the hybrid compressor ~~whose~~ includes a compression mechanism that is driven by rotation of a swash plate, ~~and an inclination angle of the swash plate whose inclination angle is~~ varied by a capacity control valve that is externally controlled, ~~the control device comprising: first controlling means~~ wherein the control device comprises a controller that operates the hybrid compressor by ~~controlling a control device for operating at a first control value to thereby trigger the swash~~ plate to be rapidly inclined when the hybrid compressor starts being driven by the electric ~~motor~~; ~~and second controlling means that operates~~ motor and for operating the hybrid compressor by ~~controlling the control device for operating at a second control value after the first controlling~~ means operates controller has operated the hybrid compressor based on the first control value, wherein the first control value is greater than the second control value ~~that, and wherein the~~ second control value is obtained from a status of the refrigerating ~~eyele~~ circuit.

14. (Original) The control device according to Claim 13,

wherein the control device includes the capacity control valve, and

wherein the first control value includes a first electric current applied to the capacity control valve while the second control value includes a second electric current applied to the capacity control valve.

15. (Currently amended) The control device according to Claim 13,

wherein the control device includes the electric motor, and

wherein the first control value includes a first ~~revolution-number~~ of revolutions of the electric motor while the second control value includes a second ~~revolution-number~~ of revolutions of the electric motor.

16. (New) The control device according to claim 2, wherein the controller operates the hybrid compressor based on the first number of revolutions for a certain period after the hybrid compressor starts being driven by the electric motor.

17. (New) A control apparatus for a hybrid compressor that is within a refrigerating circuit, wherein the hybrid compressor is driven by one of an engine and an electric motor, and a compression mechanism of the hybrid compressor is driven by rotation of a swash plate, and an inclination angle of the swash plate is varied by an externally controlled capacity controller, and wherein the control apparatus comprises a controller for operating the hybrid compressor by setting the capacity controller to an initial control value, which is greater than a given control value based on a state of the refrigerating circuit, for triggering the swash plate to rapidly incline

when the electric motor starts driving the hybrid compressor, and before the capacity controller is set to the given control value, the capacity controller is set to the initial control value.

18. (New). A control apparatus for a hybrid compressor that is within a refrigerating circuit, wherein the hybrid compressor is driven by one of an engine and an electric motor, a compression mechanism of the hybrid compressor is driven by rotation of a swash plate, and an inclination angle of the swash plate is varied by an externally controlled capacity controller, and wherein the control apparatus comprises a controller for operating the hybrid compressor by driving the electric motor at an initial number of revolutions, which is greater than a preset number of revolutions, for causing the swash plate to rapidly incline when the electric motor starts driving the hybrid compressor, and before the motor is driven using the preset number of revolutions, the motor is driven at the initial number of revolutions.